Material Safety Data Sheet

Product: **pHury**

May be used to comply with OSHA's Hazard Communication Standard
29CFR 1910. Standard must be consulted for specific requirements.

QUICK IDENTIFIER
Common Name: Dyna Flo 15-0-0 16S, N-pHuric,
AGB Ulti-Mate, pHairway

SECTION 1 - COMPANY INFORMATION

Manufacturer's Name:	Chemical Dynamics, Inc.	Emergency Telephone Number:	1-800-424-9300
Address:	4206 Business Lane	Other Information Call:	1-813-752-4950
City, State, and Zip	Plant City, Florida 33566	Date Prepared:	10/24/03

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s)	OSHA PEL	ACGIH TLV	EXPOSURE LIMITS	CAS NO.
Monocarbamide Dihydrogensulfate (MCDS) Solution	N/A			21351-39-3

SECTION 3- PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: >212 °F **Specific Gravity:** 1.509 **Vapor Pressure:** N/A

Vapor Pressure: N/A **Reactivity in Water:** Soluble **Melting Point:** N/A

Appearance and Odor: Clear pink/No odor

SECTION 4- FIRE & EXPLOSION DATA

Flash Point: N/A °F **Method Used:** N/A

Flammable Limits in Air: N/A **LEL Lower:** **UEL Upper:**

Auto-Ignition Temp: N/A **Extinguisher Media:** Non flammable if involved in fire, can extinguish with dry chemical; CO_2, water spray or foam.

Special Fire Fighting Procedures: This product is non-flammable, and does not support combustion. If heated to decomposition the nitrate ion will support combustion and could explode. Use of self contained breathing apparatus is recommend.

Unusual Fire and Explosion Hazards: If this product is heated to an anhydrous state it will emit nitrates which are oxidizing agents. Exposure to high heat can emit toxic vapors.

SECTION 5- PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: ☒ Stable ☐ Unstable Conditions to Avoid: Excessive heat

Incompatibility Materials to Avoid!: This product may be extremely hazardous if contact occurs with chlorates or nitrates. Avoid contact with oxidizing agents. Do not mix in concentrated form with bases or bleaches. Corrosive to common metals.

SECTION 5- PHYSICAL HAZARDS (REACTIVITY DATA)..Continued

Hazardous Decomposition Products: Excessive heat may result in carbon dioxide and ammonia being emitted.

Hazardous Polymerization: May Occur: ☐ Will Not Occur: ☒

Conditions to Avoid: Extreme Heat.

SECTION 6- HEALTH HAZARDS

ACUTE: Mild skin irritant, conjunctivitis, upset stomach and/or gastrointestinal symptoms are temporary. May cause severe chemical burns due to corrosive material.

CHRONIC: Prolonged skin contact may result in dermatitis (drying) or eczema (itching)

CARCINOGEN LISTED IN:	_____ **NTP**	_____ **OSHA**	
	_____ **IARC MONOGRAPH**	**X** **NOT LISTED**	

ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES

1. **Inhalation:** Corrosive and toxic. May be Harmful if inhaled. May cause severe irritation and burns of respiratory tract.
2. **Eyes:** Corrosive. May cause severe irritation and burns to the eyes. Flush eyes with running water for 15 minutes. If redness persists seek medical attention.
3. **Skin:** Severe irritant. May cause severe burns. Remove contaminated clothing, wash with clean water and soap. Put on clean clothes.
4. **Ingestion:** Corrosive and toxic. May be harmful if swallowed. **DO NOT INDUCE VOMITING**. May cause severe burns of mouth, throat and digestive tract. Call physician immediately.

SECTION 7- SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

cautions to be Taken

Handling and Storage: Store in cool ventilated place away from fire hazards, excessive heat, flammable or easily oxidizable materials. Do not allow product to dry out. This material may be extremely hazardous in contact with chlorates or nitrates.

Other Precautions: Do not allow product to go below 35 degrees. Apply product in open areas. Keep away from children and pets. Do not contaminate feed, seed or any water sources.

Steps to be taken in case of Release or Spill: Dike area and maximize recovery. Pump into a tank or absorb with diatomaceous earth or sand. Sweep up and place into containers for land application at recommended rates. Prevent entry into sewer or waterways. Diluted product may be neutralized with bicarbonate of soda.

Environmental Precautions: Relatively low toxicity to fish and aquatic organisms. Do not contaminate any waterway, lake, stream or estuary by direct application of cleaning of equipment or disposal. Triple rinse containers and offer for recycling or dispose of in an approved landfill. Consult Federal, state and local regulations for proper disposal.

SECTION 8- CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: A NIOSH approved respirator with a N95 filter may be used.
Respiratory protection may be required in the event of a spill in an enclosed area.
Use SCBA when fighting fires.

Protective Gloves: Impervious gloves from rubber, nitrile or neoprene.

Eye Protection: Side-shielded safety glasses, chemical splash-proof goggles & full face shield is recomm

Other Protective Clothing or equipment: Eye wash station with safety shower should be readily available in work area.
Use of a chemically resistant apron may be required for some activities.

Hygienic Work Practice Bathe and change clothes daily. Wash contaminated clothing separate from other laundry.

SECTION 9- TRANSPORT AND REGULATORY INFORMATION

MATERIAL IS HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION

Proper Shipping Name: Corrosive Liquid, N.O.S. (Monocarbamide Dihydrogensulfate)

Hazard Class Number: 8

Description: Corrosive Liquid, N.O.S. (Monocarbamide Dihydrogensulfate)

UN Identification Number: UN 1760

Packing Group: PG III

DOT Label(s) Required: Corrosive

Please note - DOT exceptions for Class 8 corrosive materials (49 CFR 173.154) for packing sizes less than 30 kg. (66 lbs.).

NFPA CODE: Health = 2 Flammability = 0 Reactivity = 2

Toxicity: